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<p>(21) Application number: <b>05200543</b></p> <p>(22) Date of filing: <b>12.08.93</b></p>	<p>(71) Applicant: <b>HITACHI METALS LTD</b></p> <p>(72) Inventor: <b>UCHIDA KIMIO</b> <b>TAKAHASHI MASAHIRO</b> <b>OZAKI MASAMICHI</b></p>

(54) **PRODUCTION OF RERE EARTH MAGNET**

(57) Abstract:

PURPOSE: To enhance the orientation of a rare earth sintered magnet by pressure pouring a mixture of a rare earth sintered magnet material and a mineral oil or a synthesized oil into a metal cavity under a pressure of specified level or above and then conducting wet molding.

CONSTITUTION: A mixture of  $R-Co_5$ ,  $R_2Co_{17}$ , or  $R-Fe-B$  (R represents one or more than one kind rare earth element including Y) based and a mineral oil and/or a synthesized oil is poured into the cavity of a metal mold under a pressure of  $1kg/cm^2$  or above and then it is compacted. It is then subjected to wet molding and

sintering to produce a rare earth magnet. Since the fine powder of rare earth magnet provides high orientation, a rare earth sintered magnet having high magnetic characteristics can be obtained.

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